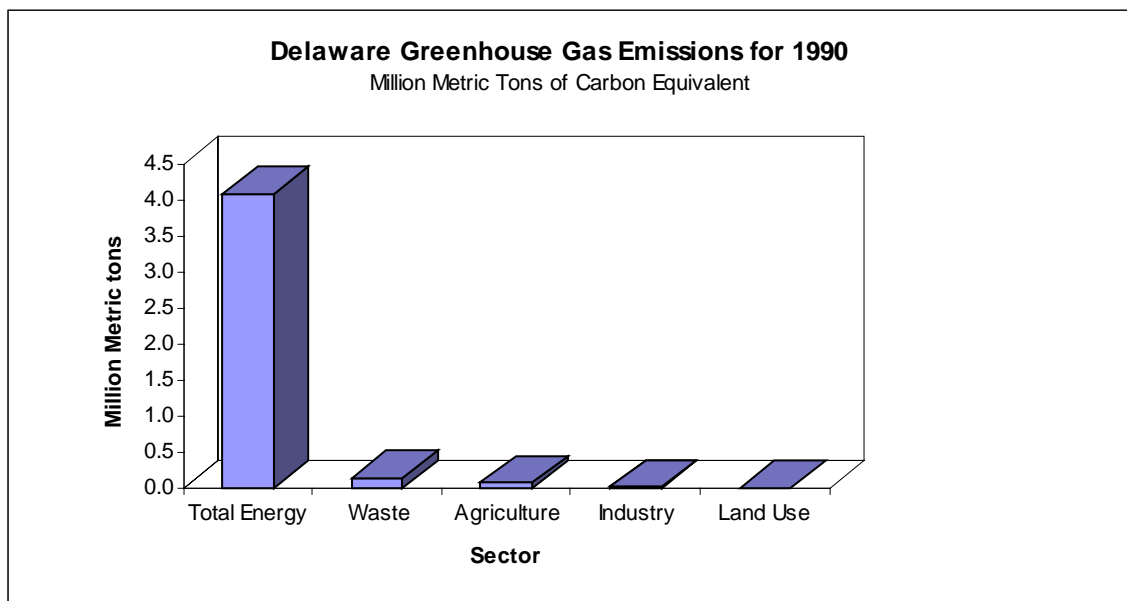


DELAWARE GREENHOUSE GAS EMISSIONS AND SINKS INVENTORY: SUMMARY



The report “*Delaware Greenhouse Gas Inventory*” provides a detailed inventory of greenhouse gas emissions and sinks for Delaware in 1990. Emissions were estimated using methods from EPA’s 1995 guidance document ***State Workbook: Methodologies for Estimating Greenhouse Gas Emissions***. In 1990, Delaware emitted 4.3 million metric tons of carbon equivalent (MMTCE). Delaware estimated emissions of approximately 0.05 MMTCE from biomass fuels and from other sources not included in the workbook.¹ Emissions from these sources are not included in the reported total or the table below.

The principal greenhouse gases were carbon dioxide, comprising 15 million metric tons (4.1 MMTCE), and methane, with 0.03 million metric tons (0.2 MMTCE). Other emissions included 400 metric tons of nitrous oxide (0.03 MMTCE).

The major source of carbon dioxide emissions was fossil fuel combustion (more than 99%), with minor emissions from lime manufacture (less than 1%). Almost half of those emissions from fossil fuel combustion came from the utility sector. Combustion of fossil fuels actually accounted for over 95% of total greenhouse gas emissions. Contributors to methane emissions were landfills and municipal wastewater (78%), manure management (14%), and domesticated animals (8%). Nitrous oxide emissions were attributable to fertilizer use.

¹ These emissions include carbon dioxide emissions from the agricultural application of lime.

Delaware Greenhouse Gas Emissions for 1990

SECTOR	CO ₂ (MMTCE)	Methane (MMTCE)	Nitrous Oxide (MMTCE)	PFCs (MMTCE)	Total GHG Emissions (MMTCE)
Energy - Residential	0.3	*	*	*	0.3
Energy - Commercial	0.1	*	*	*	0.1
Energy - Industrial	0.6	*	*	*	0.6
Energy - Transport	1.1	*	*	*	1.1
Energy - Utility	2.0	*	*	*	2.0
Total Energy	4.1	*	*	*	4.1
Waste	*	0.1	*	*	0.1
Agriculture	*	0.0	0.0	*	0.1
Industry	0.0	*	*	*	0.0
Land Use	*	*	*	*	*
Total	4.1	0.2	0.0	*	4.3

All emissions are reported in million metric tons of carbon equivalent (MMTCE).

An asterisk (*) indicates that emissions of the gas from this sector were zero, insignificant, or not reported.

Emissions due to coal mining and extraction of natural gas and oil are included in the total energy figures, and emissions from biofuel combustion are excluded.

Delaware emissions in 1990 were 6.4 MTCE per capita, identical to 1990 U.S. emissions of 6.4 MTCE per capita.